

David W. Brickey

From: David W. Brickey [david.brickey@terraspectra.com]
Sent: Monday, September 18, 2006 2:08 PM
To: 'wl CHENOWETH'
Cc: 'Elaine Ezra'
Subject: Questions on the Grants Uranium Mines - Billy the Kid
Attachments: Billy_the_Kid_&_Red_Top.pdf

Hi Bill:

I hope you are doing well.

We are coming down to completing the Eastern Region Abandoned Uranium Mines, and have a few questions. I will be sending you a series of six emails. Each will have a PDF map attached with one or more questions related to it.

The complete list of PDF files will be:

Billy_the_Kid_&_Red_Top.pdf
Crownpoint.pdf
Haystack.pdf
Hutton-James.pdf
Old_Church_Rock_Mine.pdf
Section_25_13N_10W.pdf

The email attaches:

Billy_the_Kid_&_Red_Top.pdf

Please let us know what you think on these. Email if you have any questions or give a call.

Thanks for your help, the many documents you've sent on this region have helped to reduce this to just a few questions.

Dave

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9/20/2006

Billy the Kid and Red Top Mine Area; Secs 18-20, T14N / R11W

Anderson (1980, OFR 148) states in his report that this quarry to the NE of Billy the Kid was quarried for "road metal."

Would you concur with this NOT being an AUM?

We are able to map from the orthophoto a large trench / elongate pit here.

**Could this be the Red Top mine?
Rather than this one?**

Green and Pierson (1971) in their geologic map (pink overlay) for the Thoreau NE quad map the Red Top Mine here. McLemore maps it near here as well. We see nothing on the orthophoto that would indicate a productive (McLemore & Chenoweth, 1991 report 165 tons) property here.



- Portal
- Prospect
- Rim Strip / Pit
- Vertical (Shaft or Incline/Decline)
- Waste Pile
- Surface AUM
- Mapped underground mine
- Ore body extent

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From: David W. Brickey [david.brickey@terraspectra.com]
Sent: Monday, September 18, 2006 2:20 PM
To: 'wl CHENOWETH'
Cc: 'Elaine Ezra'
Subject: Questions on the Grants Uranium Mines - Section 25 Mines (T13N/R10W)
Attachments: Section_25_13N_10W.pdf

Hi Bill:

Here is the last map:

Section_25_13N_10W.pdf

Please let us know what you think on this. Email if you have any questions or give a call.

Thanks for your help.

Dave

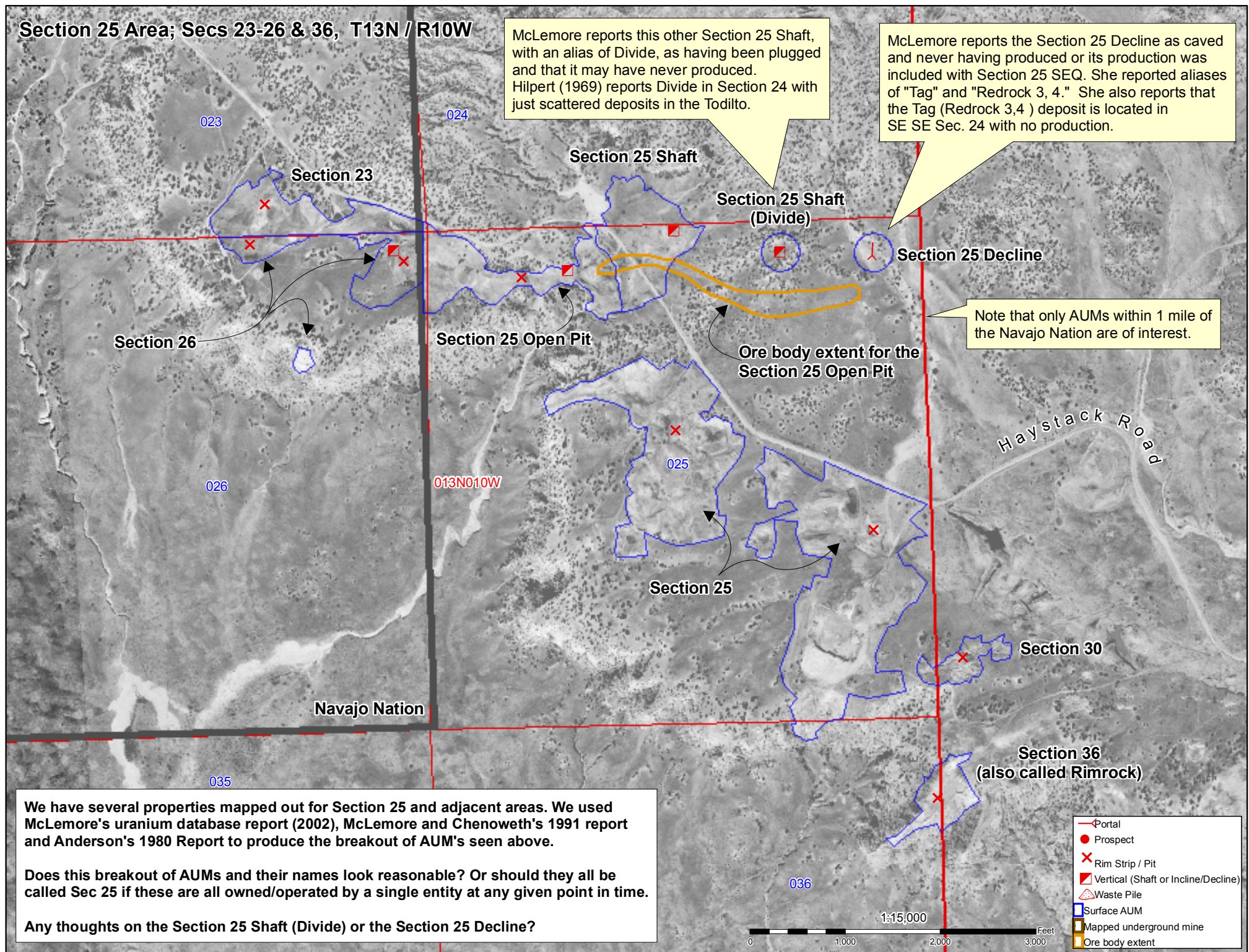
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Section 25 Area; Secs 23-26 & 36, T13N / R10W

McLemore reports this other Section 25 Shaft, with an alias of Divide, as having been plugged and that it may have never produced. Hilpert (1969) reports Divide in Section 24 with just scattered deposits in the Todilto.

McLemore reports the Section 25 Decline as caved and never having produced or its production was included with Section 25 SEQ. She reported aliases of "Tag" and "Redrock 3, 4." She also reports that the Tag (Redrock 3,4) deposit is located in SE SE Sec. 24 with no production.



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From: David W. Brickey [david.brickey@terraspectra.com]
Sent: Monday, September 18, 2006 2:17 PM
To: 'wl CHENOWETH'
Cc: 'Elaine Ezra'
Subject: Questions on the Grants Uranium Mines - Old Church Rock Mine
Attachments: Old_Church_Rock_Mine.pdf

Hi Bill:

Here is the next map:

Old_Church_Rock_Mine.pdf

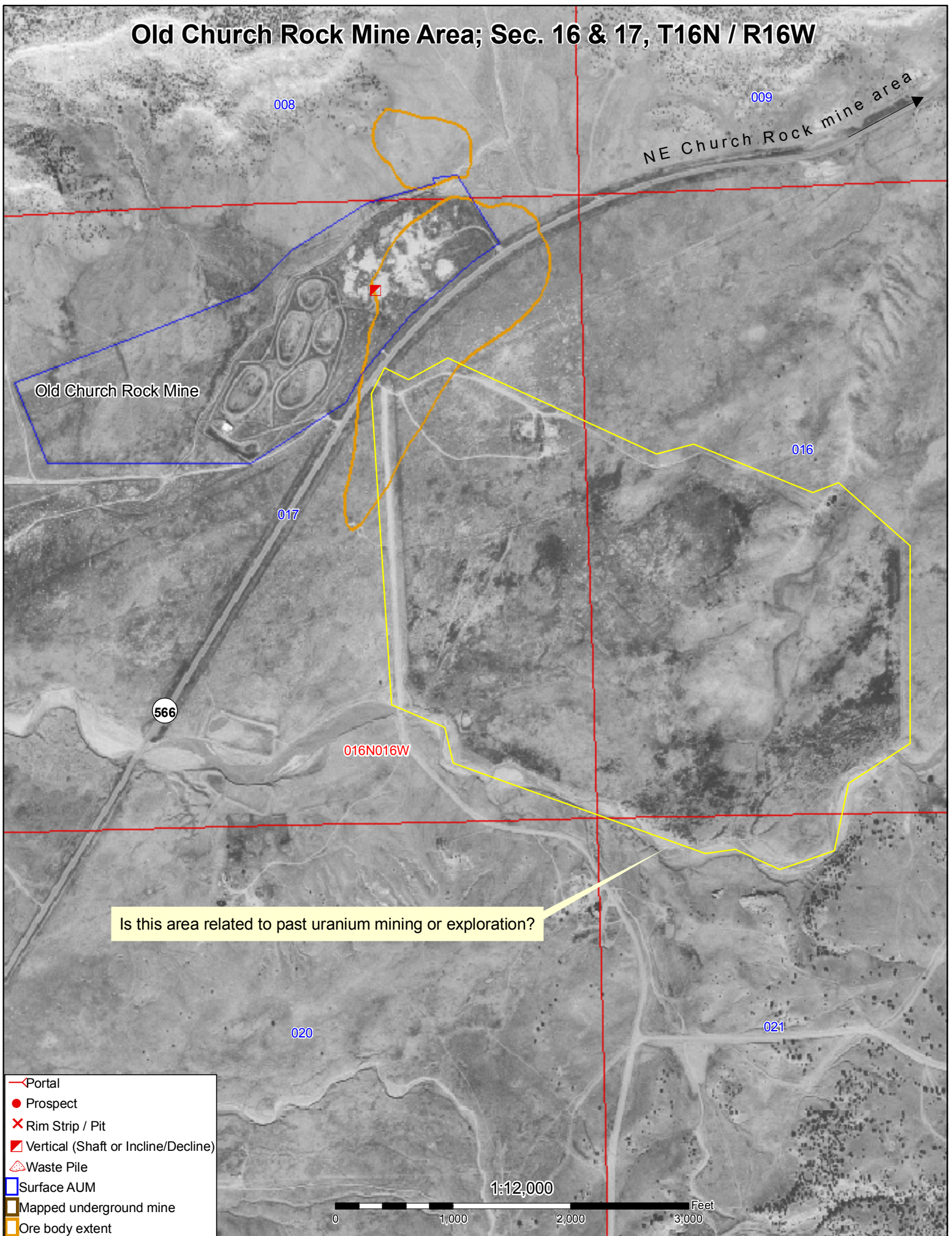
Please let us know what you think on this. Email if you have any questions or give a call.

Thanks for your help.

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Old Church Rock Mine Area; Sec. 16 & 17, T16N / R16W



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From: David W. Brickey [david.brickey@terraspectra.com]
Sent: Monday, September 18, 2006 2:16 PM
To: 'wl CHENOWETH'
Cc: 'Elaine Ezra'
Subject: Questions on the Grants Uranium Mines - Hutton-James Area
Attachments: Hutton-James.pdf

Hi Bill:

Here is the next map:

Hutton-James.pdf

This one is a generic question...Should Todilto limestone quarries that have uranium occurrences but never produced uranium be included as abandoned uranium mines?

Please let us know what you think on this. Email if you have any questions or give a call.

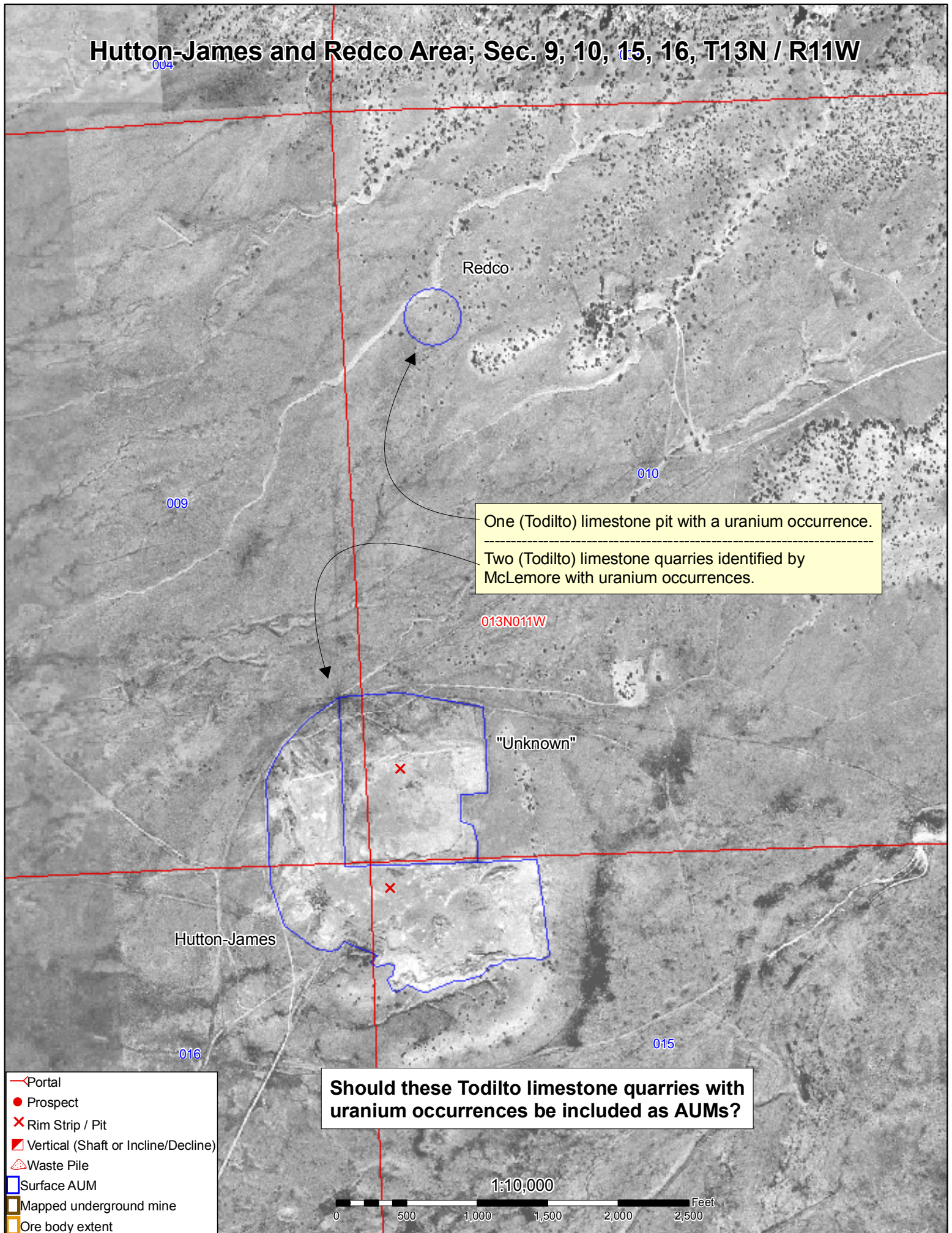
Thanks for your help.

Dave

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Hutton-James and Redco Area; Sec. 9, 10, 15, 16, T13N / R11W



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From: David W. Brickey [david.brickey@terraspectra.com]
Sent: Monday, September 18, 2006 2:12 PM
To: 'wl CHENOWETH'
Cc: 'Elaine Ezra'
Subject: Questions on the Grants Uranium Mines - Haystack Area
Attachments: Haystack.pdf

Hi Bill:

Here is the next map:

Haystack.pdf

Please let us know what you think on this. Email if you have any questions or give a call.

Thanks for your help.

Dave

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Haystack Mine Area; Sec. 13, T13N / R11W; Sec. 18, T13N / R10W

Haystack

McLemore identifies this property as having produced 500 tons of ore from a small reclaimed pit, and calls it Haystack.

Is there a better name for this property?

Haystack Butte (Mountain)

McLemore identifies this Section 18 SEQ as having produced Uranium ore, whose production was included with Section 18. It cannot be seen on the orthophoto.

Would you concur with McLemore on this AUM?
Is there a better location?

Is Bibo Trespass an appropriate name for this property?

Haystack No. 2

013N011W

013N010W

Section 18

Section 18 SEQ

Bibo Trespass

Section 24

Haystack No. 1

This appears to be a reclaimed pit or waste pile.
Is it an AUM?
What is this property's name?

Navajo Nation Boundary

- Portal
- Prospect
- Rim Strip / Pit
- Vertical (Shaft or Incline/Decline)
- Waste Pile
- Surface AUM
- Mapped underground mine
- Ore body extent

1:12,000

0 500 1,000 1,500 2,000 2,500 Feet

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From: David W. Brickey [david.brickey@terraspectra.com]
Sent: Monday, September 18, 2006 2:11 PM
To: 'wl CHENOWETH'
Cc: 'Elaine Ezra'
Subject: Questions on the Grants Uranium Mines - Crownpoint Area
Attachments: Crownpoint.pdf

Hi Bill:

Here is the next map:

Crownpoint.pdf

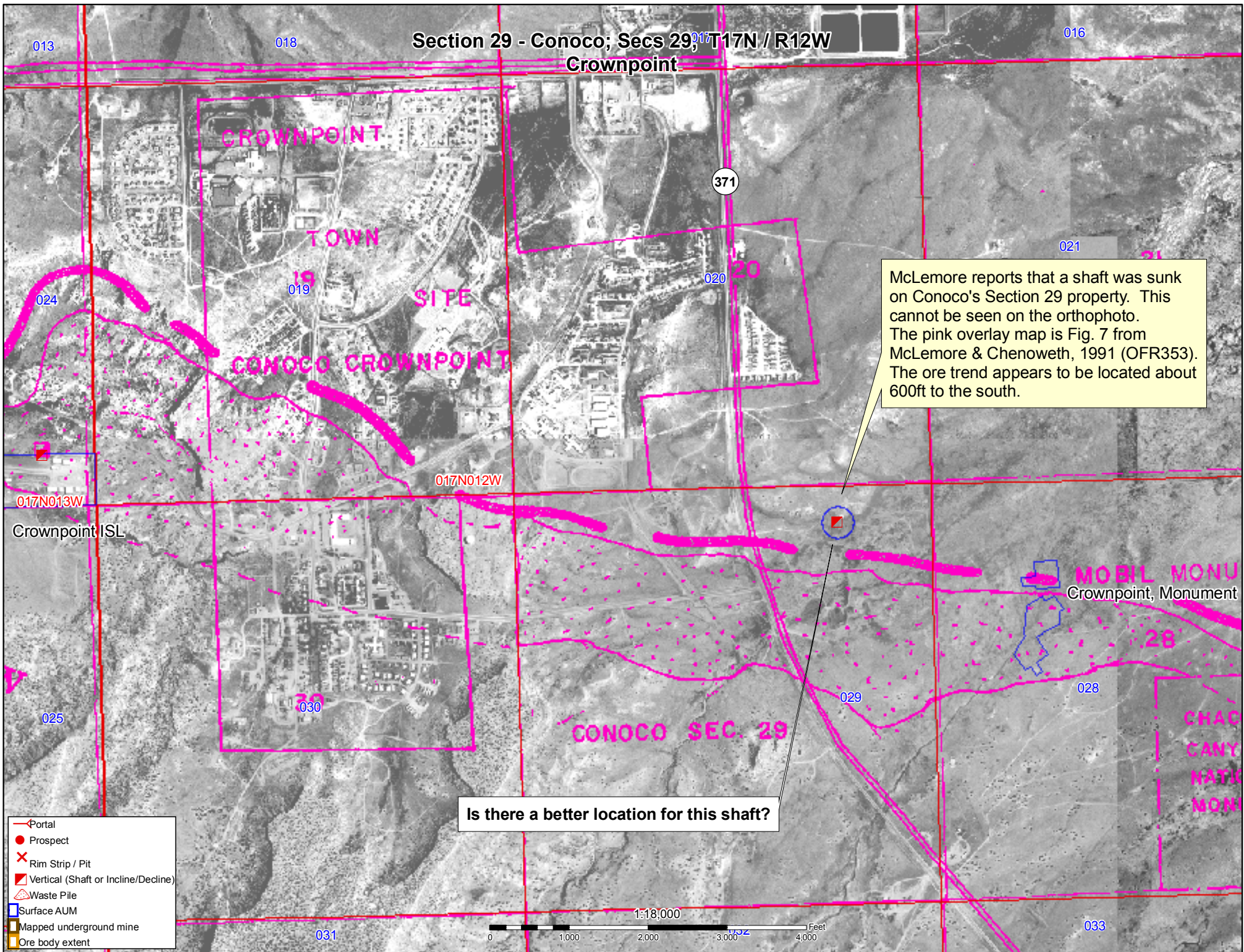
Please let us know what you think on this. Email if you have any questions or give a call.

Thanks for your help.

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9/20/2006



Section 29 - Conoco; Secs 29, T17N / R12W
Crownpoint

McLemore reports that a shaft was sunk on Conoco's Section 29 property. This cannot be seen on the orthophoto. The pink overlay map is Fig. 7 from McLemore & Chenoweth, 1991 (OFR353). The ore trend appears to be located about 600ft to the south.

Is there a better location for this shaft?

- Portal
- Prospect
- Rim Strip / Pit
- Vertical (Shaft or Incline/Decline)
- Waste Pile
- Surface AUM
- Mapped underground mine
- Ore body extent



David W. Brickey

From: wl CHENOWETH [cheno@bresnan.net]
Sent: Wednesday, September 20, 2006 9:57 AM
To: David W. Brickey
Cc: Elaine Ezra
Subject: Answers to questions on maps

Attachments: AUM--NM.pdf



AUM--NM.pdf

Hi David:

See the attachments for my answers and thoughts.
Bill

New Mexico Maps

Map 1

I agree, put the Red Top mine where the trench is.

I would not call the road metal quarry a AUM. There are dozens of pits in the Todilto Limestone in the –Grants-Prewitt-Thoreau area that were mined for road metal for highway construction.

Map 2

All I can remember is that Conoco's shaft, now reclaimed, was east of the highway. I am sending the map to Ginger, to see if she can verify this location. See details of the ore trend in the attached map.

Map 3

Sec. 18, SE ¼ looks ok. The Bibb Tresspass and the AUM to the NW are on the AEC/ERDA/DOE lease block NM-B-1, See attached map. Block has been reclaimed and returned to the BLM. I can't think of a better name for the mine to the NW. The portal George Warnock used to mine the orebody under the Butte has been reclaimed. George mined a several thousand ore off the lease and adjacent ground.

Map 4

The area could be related to exploration that occurred in Section 16, that located an orebody in the Dakota Sandstone in the NW ¼ of Section 16.

Map 5

Could you indicate these as unmined uranium occurrences.

Map 6

Santa Fe Railroad 's Section 25 has both open pits and underground mines. In any one year different mining contractors would be working in both types of mines. Without GPS in the early days, the Divide Shaft (to mine the orebody in the SE corner of Section 24) was probably in Section 25 where Ginger located it. "Section 25" in the center should be labeled open pits, like in the NW ¼. I can't recall anything about the Section 25 decline.

William L. Chenoweth

September 20, 2006

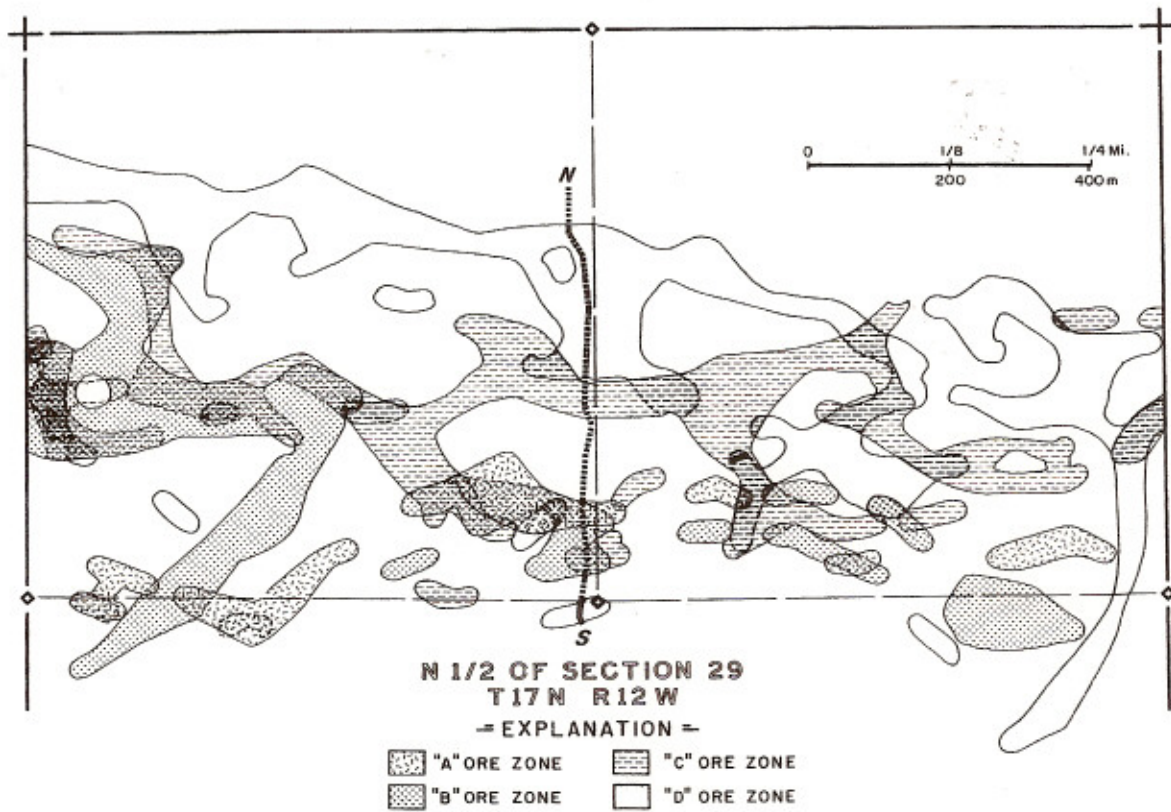


FIGURE 6—ORE-ZONE MAP SHOWING DISTRIBUTION OF ORE ON NORTHERN HALF OF SEC. 29.

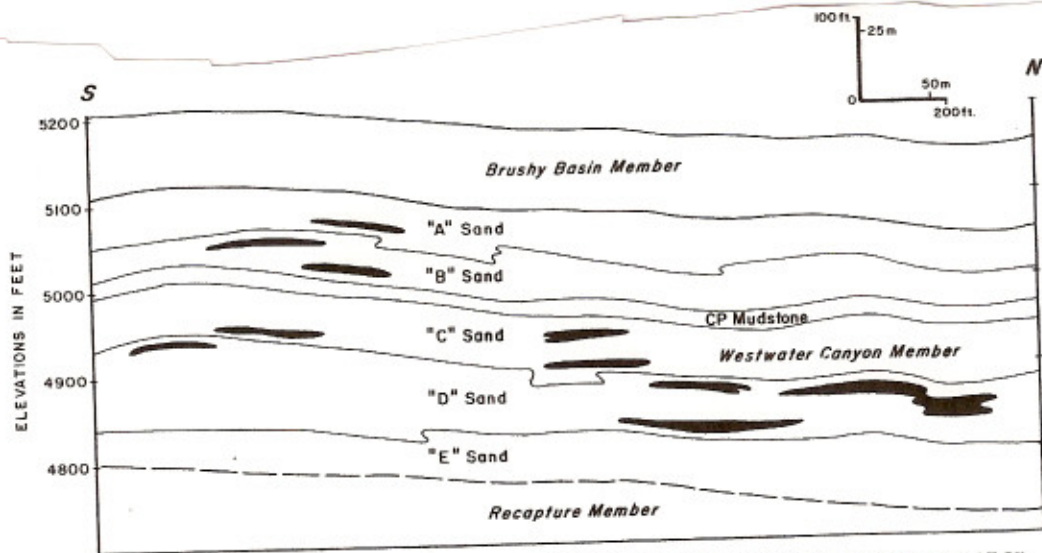
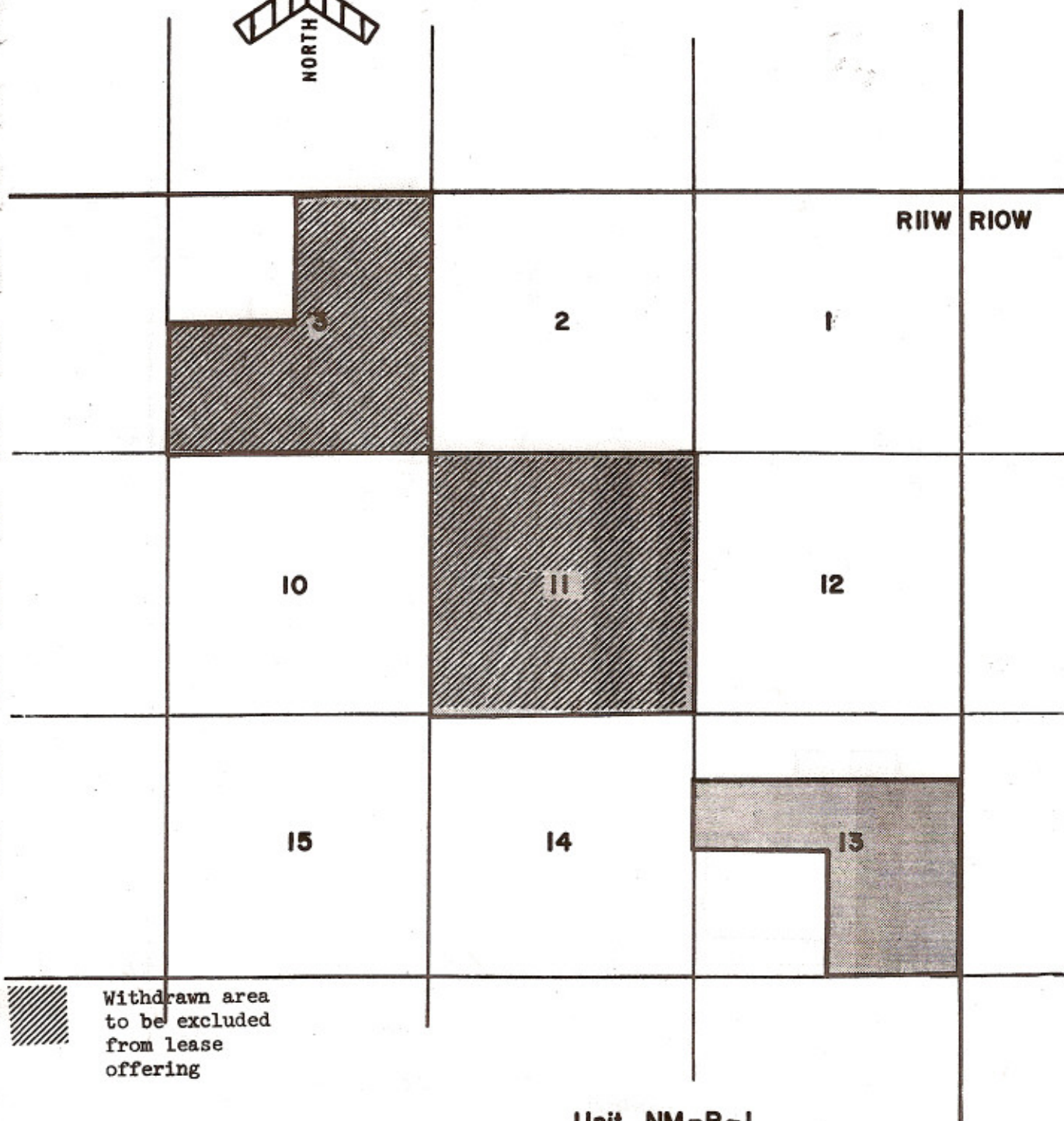


FIGURE 7—DIAGRAMMATIC CROSS SECTION SHOWING DISTRIBUTION OF ORE ZONES IN NORTH-CENTRAL PART OF SEC. 29.

[New Mexico Bureau of Mines & Mineral Resources, Memoir 38, 1980]

T 13 N



Unit NM-B-1
Haystack Butte Area
McKinley County, New Mexico